

## AGC/WSDOT Structures Team Meeting

July 18, 2003

9:00 AM –12:00 PM NWR Corson Avenue Facility

Attendees:	Company	Phone	E-mail
Hilmes Bob	WSDOT	509-324-6232	<a href="mailto:Hilmusb@wsdot.wa.gov">Hilmusb@wsdot.wa.gov</a>
Kapur Jugesh	WSDOT	360-705-7209	<a href="mailto:kapurju@wsdot.wa.gov">kapurju@wsdot.wa.gov</a>
Madden Tom	WSDOT	206-768-5861	<a href="mailto:maddent@wsdot.wa.gov">maddent@wsdot.wa.gov</a>
Marco Foster	WSDOT	360.428.1593	<a href="mailto:fosterm@wsdot.wa.gov">fosterm@wsdot.wa.gov</a>
McCoy Charlie	Atkinson Const.	425-255-7551	<a href="mailto:cmcco@Atkn.com">cmcco@Atkn.com</a>
Sheikhizadeh M.	WSDOT	360-705-7828	<a href="mailto:sheikhm@wsdot.wa.gov">sheikhm@wsdot.wa.gov</a>
Smith Tobin	Max J. Kuney	509-535-0651	<a href="mailto:tobin@maxkuney.com">tobin@maxkuney.com</a>
Smith Douglas	Mowat Const.	425-398-0205	<a href="mailto:Doug.smith@mowatco.com">Doug.smith@mowatco.com</a>
Casey Daniel	KLM Const.	253-297-2750	<a href="mailto:dcasey@klmci.com">dcasey@klmci.com</a>
Quigg John	Quigg Bros.	360-533-1530	<a href="mailto:johnq@quiggbros.com">johnq@quiggbros.com</a>
Scott Ayers	Wilder Const.	425-508-3246	<a href="mailto:scottaye@wilderconstruction.com">scottaye@wilderconstruction.com</a>

The meeting started at 9:05 AM with Mo announcing his appointment as the new Bridge Construction Engineer. Bijan Khaleghi, Bridge and Structure's Office Concrete Specialist attended the meeting to, jointly with Jugesh, present the latest design and construction effort made with the stay in place pre-cast panels.

The minutes from the June meeting were approved with addition of Doug and Scott's names to the list of attendees.

### **Updates on Action Items**

#### **Stand. Specs. 6.02.3(6) (page 6-15) Deck Overhang Bracket Release:**

Mo provided the proposed revised specifications concerning the requirements for not releasing deck overhang falsework (see E-mail attachment). One stipulation is for the contractors to provide calculations showing that any lateral loads induced into the webs, as a result of deck superimposed dead and live load, do not exceed web buckling capacity. Through further debate, agreement was reached that this may be a critical issue only for steel girders and not a concern for concrete superstructures.

**Action Item:** Jugesh will investigate the need for any required calculations

#### **Pumper Certification, Stand. Specs. 6-02.3(6):**

Mo reported that the pumper certification requirement would be deleted from the Specs. (See E-mail attachment).

**Action item:** This issue is resolved.

**Stand. Specs. 6-02.3(6)A Cold Weather Protection:**

Mo passed out a proposed revised version of this Spec to the team (note E-mail attachment). More discussions regarding this issue followed however, no other changes to the draft specifications were offered.

**Action Item:** Mo will update the draft specification for the maturity meter requirements and for inclusion into the Specs.

**Stand. Specs. 6-02.4 Seal Measurement and Payment:**

Charlie provided a draft revision proposal to the seal measurement specification. It was debated and accepted with inclusion of a minor editorial change.

**Action Item:** Charlie will update the draft changed for inclusion into the Specs.

**Stand. Specs 6-02.3(10)**

Charlie also provided a proposal to this specification to allow for use of roller screeds for widenings up to 20' in width.

**Action Item:** This draft proposal will be adopted for inclusion into the Specifications.

**Stand. Specs 6-02.3(11)-**

Mo presented the updated specification to include use of geotextile. This issue was further debated and some changes to the draft were proposed.

**Action Item:** Mo will include all suggestions offered and incorporate into the Specifications.

**Stand. Specs. 6-02.3.2(B) –**

Bob passed out references to 6-02.32A, B, amendments to this section, and 8-04.3(1). The group decided that all the information needed for requirements of air entrainment in curbs and gutters was in the current Specs.

**Action Item:** No change is necessary.

**Stand. Specs. 6-02.3(5C):**

Changes for conformance to mix design acceptance based on cement content of plus/minus 1% will be deferred to WACA.

**Action Item:** Mo will add this issue to the WACA September agenda.

#### **Stand. Specs. 6-02.3(11) Retaining Wall Cure Time**

Mo reported that he needed more time for research.

**Action Item:** Mo will report back to the Team

#### **Stay in Place Pre-cast Deck Panels**

Jugesh and Bijan presented the Bridge Offices efforts for allowing use of the stay in place deck panels. They passed out WSDOT's current standard stay in place deck panels and the lessons learned from the Texas DOT. Some the highlights:

- 21 States, including WSDOT, have successfully used the panels
- 3 ½" min. thickness is required. Total deck thickness will increase from 7 ½" cip deck to 8" for combined pre-cast panel and cip deck. This will result in increased superstructure dead weight
- Not allowed in span negative moment regions of the structures that are not post-tensioned
- Girder top flange finish under the panels must be smooth
- Texas DOT uses high density foam under the panel supports vs. WSDOT that uses leveling bolts
- Texas DOT has experienced longitudinal deck cracking near intermediate piers
- Not recommended for curved structures

#### **Team Assignments**

The team members will review to discuss the Standard Specs. 6-02.3(16-17) for the August meeting. Also, refer to the pending discussion items and augment with new issues.

The team will discuss the following topics:

- Item 16, Use of stay in place forms
- Item 20, camber in bridge widening/staged construction

#### **Future Meeting Dates**

**Aug. 15, 2003**

**Sep. 12, 2003**

**Oct. 10, 2003**

**Nov. 14, 2003**

The meeting adjourned at 12:00 PM.

**Next Meeting August 15, 2003 9:00 AM Corson Ave. Facility**